

## INTERNATIONAL SEARCH REPORT

PCT/GB 01/04940

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B33/035 E21B34/04 E21B33/076

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| P,A        | WO 00 70185 A (ENHANCED RECOVERY LTD DES<br>;DONALD IAN (GB); STEELE JAMES (GB))<br>23 November 2000 (2000-11-23)<br>cited in the application<br>the whole document<br>--- | 1-19                  |
| A          | GB 2 319 795 A (VETCO GRAY INC ABB)<br>3 June 1998 (1998-06-03)<br>page 5, line 4 - line 6<br>page 7, line 15 -page 8, line 4; figures<br>1,2<br>---                       | 1-19                  |
| P,A        | GB 2 361 726 A (FMC CORP)<br>31 October 2001 (2001-10-31)<br>page 4, line 29 -page 5, line 4<br>---<br>-/--  | 1-19                  |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## ° Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

25 February 2002

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
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| A          | EP 0 572 732 A (COOPER IND INC)<br>8 December 1993 (1993-12-08)<br>column 8, line 38 - line 42<br>column 9, line 18 - line 32; figures 9,10<br>--- | 1-19                  |
| A          | US 5 535 826 A (BROWN STUART C ET AL)<br>16 July 1996 (1996-07-16)<br>column 3, line 46 - line 57<br>-----   | 1-19                  |

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
|---|---|---------------------|--|--|
| WO 0070185                                | A | 23-11-2000          | AU 4769400 A<br>EP 1179116 A1<br>WO 0070185 A1<br>NO 20015431 A  | 05-12-2000<br>13-02-2002<br>23-11-2000<br>06-11-2001   |
| GB 2319795                                | A | 03-06-1998          | US 5971077 A   | 26-10-1999   |
| GB 2361726                                | A | 31-10-2001          | WO 0181711 A1  | 01-11-2001   |
| EP 0572732                                | A | 08-12-1993          | EP 0572732 A1<br>AU 664634 B2<br>AU 4403193 A<br>CA 2116873 A1<br>DE 69226630 D1<br>DE 69226630 T2<br>EP 0719905 A1<br>EP 0989283 A2<br>MX 9303273 A1<br>NO 940958 A<br>WO 9324730 A1<br>US 6200152 B1<br>US 5544707 A<br>US 6039119 A | 08-12-1993<br>23-11-1995<br>30-12-1993<br>09-12-1993<br>17-09-1998<br>24-12-1998<br>03-07-1996<br>29-03-2000<br>31-01-1994<br>16-03-1994<br>09-12-1993<br>13-03-2001<br>13-08-1996<br>21-03-2000 |
| US 5535826                                | A | 16-07-1996          | GB 2267920 A , B<br>NO 932220 A  | 22-12-1993<br>20-12-1993   |